

*Abstract*

A memory system having electromechanical memory cells and decoders is disclosed. A decoder circuit selects at least one of the memory cells of an array of such cells. Each cell in the array is a crossbar junction at least one element of which is a nanotube or a nanotube ribbon. The decoder circuit is constructed of crossbar junctions at least one element of each junction being a nanotube or a nanotube ribbon.